

# FOLIO

## Governors Disperse Haze Around Stadium Car Park

*The Board of Governors met on 5 October. Among the items on the non-confidential portion of the agenda were the following:*

### *Stadium Car Park*

Stadium Car Park's stock will rise again but it's going to take time and money. The Board approved the spending of up to \$1,595,000 for "major structural renovations" to the parkade.

The estimated starting and completion dates are 29 October and 15 February 1985, respectively.

The repair work will "fully restore" Stadium's structural integrity and allow continued use of the facility.

Lamb McManus Associates Ltd. is the prime consultant for the renovations.

The alternative of demolishing Stadium Car Park and building a new parkade on the same site was considered by the Board Building Committee and rejected as being three or four times as costly as renovating.

Stadium Car Park has been closed since late August.

In other news pertaining to the Building Committee, monies not to exceed \$12,240,000 will be allocated for major renovations to the Earth Sciences Building. The Departments affected are Entomology, Geology and Soil Science. Alberta Advanced Education earlier approved a total grant of \$11.2 million for the renovations. Work has been in progress since 1981; the acquisition of funds to complete renovations to departmental spaces and building systems has brought about a time frame of April 1984 to December 1988.

Approval was given for the building of field staff housing (a total of five new houses) at the Edmonton Research Station. "Staff" means employ-

ees of the Department of Animal Science and Plant Science.

### *Computer Workstation Fee to be Levied*

A fee of \$20 per registration per term of MTS terminals, microcomputers and PLATO terminals will be charged with the advent of the 1985-86 Winter Session. The fee, which will be collected by Computing Services, is subject to the following conditions: (a) that registrations for small usage be exempted, where "small usage" is defined as five hours per term or less; (b) that a maximum charge of \$40 per student per term be levied; (c) that the matter of Miscellaneous Charges be the subject of continuing study by the University administration, with a view to developing a comprehensive revised policy by the 1986-87 academic year.

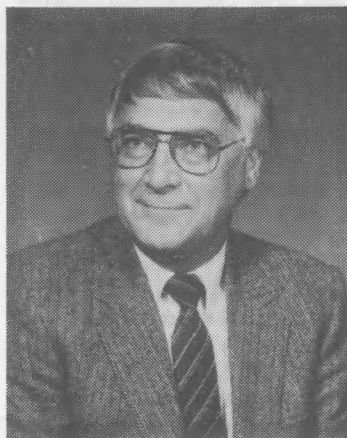
R.D. Bercov, Associate Vice-President (Academic), said the fee will cover increased operating costs of new computer facilities coming on stream in January 1985.

Notification of the fee will be placed in the appropriate sections of the *Calendar*.

### *New Dean of Engineering*

The Educational Affairs Committee announced that F.D. Otto will start a four-year term as Dean of the Faculty of Engineering on 1 January 1985. Dr. Otto, formerly Chairman of the Department of Chemical Engineering, received his baccalaureate and master's degrees from this University and his PhD from the University of Michigan. A native of Hardisty, Alberta, Dr. Otto joined Alberta's academic staff in 1962 and achieved the rank of Full Professor in 1970. His professional experience lies in environmental engineering, production of heavy wa-

ter and research in hydrocarbons. He was elected a Fellow of the Chemical Institute of Canada in 1975.



*F.D. Otto*

### *Outreach Programs*

The Governors approved the Educational Affairs Committee's recommendation that "the central administration consider further ways and means of improving University outreach programs, in particular, those programs which would be likely to

benefit the University as a whole."

The Board had taken into account a survey, prepared by the Office of Community Relations, that covered a full range of University-sponsored events outside Edmonton, that is, non-professional activities in northern Alberta outside of metropolitan Edmonton, and a rundown of what eight other Canadian universities, including the Universities of British Columbia, Calgary and Toronto, are doing in the outreach area.

### *New Governor*

J. A. Scott participated in his first meeting as a member of the Board. Dr. Scott was appointed by the Minister of Advanced Education for a three-year term. A native Edmontonian, he attended the University of Alberta, receiving a BA in 1966 and a DDS in 1974. In addition to his general dental practice, he is a clinical instructor in the Faculty of Dentistry.

Dr. Scott, who will sit on the Board Building Committee, has served as President of the University's Dental Alumni Association since 1978.

*Continued on page two*

## White Paper to be Discussed on Campus

Members of the University community are invited to take advantage of a unique opportunity. Keith Alexander, MLA and Chairman of the Public Hearings on the provincial government's recent White Paper, will be on campus 1 November. From 3 to 5 p.m. in 2-7 Humanities Centre, Mr. Alexander will meet with staff and students.

Since audience size will be limited,

please telephone the Faculty of Extension, 432-2222, to register for the session. Early registration is advised since participants will be sent a copy of the White Paper and the University's response to same. It is anticipated that these documents will be used as core content for discussion purposes.

There will be no charge for the seminar. □

### Other Items

In his oral report to the Board, President Horowitz touched on registration figures. As of the end of September, 28,029 students, including 3,986 part-time students, had registered. The numbers reflect an increase of 741 full-time students and 18 part-time students. The percentage increase over last year's total is 3.2 percent.

The largest increases, Dr. Horowitz reported, were in Agriculture (8.1 per-

cent), Rehabilitation Medicine (7.9 percent), Arts (7.8 percent), Physical Education and Recreation (6.7 percent), and the Faculté Saint-Jean (5.7 percent).

As regards admission for January 1985, Dr. Horowitz said it was highly likely that everyone with an average of 65 percent or higher would be admitted. The target of 4,500 new first year students can be accommodated comfortably; beyond January 1985, Vice-President Meekison feels that, based on experience, there will not be

a need to deviate from the 65 percent cutoff, Dr. Horowitz said.

He made reference to the recent opening of the International Student Centre and the inaugural meeting of the Parents' Association of the University of Alberta (50 people were expected, 500 showed up). The aim of the Association is to promote greater parental awareness—and support for—the activities of the University. Membership is free and open to anyone with a son or daughter registered at the University.

Success also called on Homecoming '84. Some 1,000 graduates, including seven Diamond (1924) grads, returned to their alma mater on the last weekend of September. Jean Mucha, reporting on behalf of the Alumni Association, said that Eric Geddes, former Chairman of the Board of Governors, will be presented the Alumni Golden Jubilee Award at Fall Convocation on 17 November, and that new Alumni Branches will be opening in Winnipeg and Halifax. □

## Avadh Behari Bhatia, 1921 - 1984

A.B. Bhatia died at the age of 63 on 27 September after a long illness. Dr. Bhatia was born in India and received his early education there. He entered the University of Allahabad and was awarded BSc (1940), MSc and DPhil degrees, the last in 1946 under the supervision of K.S. Krishnan. In 1947, having received an 1851 Exhibition Overseas Scholarship, he went to the University of Liverpool and there, for work done with H. Frölich, he was granted a PhD degree. He also spent some time in the University of Bristol where he was a research scholar with N.F. Mott's group.

In 1952, with an ICI Fellowship, he

moved to the University of Edinburgh where he continued his research work under Max Born. Dr. Bhatia came to Canada in 1953 with the award of a National Research Council Fellowship and after staying two years in the NRC laboratories in Ottawa he accepted a position in the Physics Department of the University of Alberta where he remained for the rest of his life. He became Professor of Physics in 1960 and for five years (1964 to 1969) he was the Director of the Theoretical Physics Institute.

Bhatia and Krishnan pioneered the calculation of the electronic transport properties which in later years formed the basis for the pseudopotential theory of electronic scattering in metals. He also contributed to the theory of diffraction of light by ultrasonic waves, and wrote a chapter on this topic in the classic work of M. Born and E. Wolf, *Principles of Optics*. In the early '70s, Dr. Bhatia, with the help of a number of collaborators, started a very detailed formulation of the structure factors for multi-component liquid alloys. This work has now become the standard in this field.

In the past few years, collaborating with N.H. March of Oxford University, he studied the surface properties of liquid alloys; this joint work has contributed in a significant way to the understanding of the physics of the liquid alloys. Dr. Bhatia's contributions were not limited to the physics of condensed matter and ultrasonic waves, but in addition to his papers on mathematical physics (e.g., properties of Zernike polynomials), between 1949 and 1952 he did some pioneering work in theoretical nuclear

physics. His work on the scattering of polarized neutrons by a proton gas was done independently and at the same time as the celebrated work of L. Wolfenstein. This work was followed by a novel and simple explanation of the angular distribution of the stripping reactions, a work which he did in collaboration with his colleagues at the University of Liverpool. Later, in Alberta, working with Sood and Trainor he proposed an alternative method to the Fermi gas model of nuclear matter, by applying the Wigner-Seitz theory to a quasi-lattice model of nuclear matter.

In addition to writing a chapter in the *Principle of Optics*, Dr. Bhatia assisted Max Born in revising Born and Huang's other well-known treatise, *Dynamical Theory of Crystal Lattices*. His own book, *Ultrasonic Absorption* (Oxford University Press 1967), is an astute, authoritative exposition of every aspect of the theory and a cornerstone for anyone who may wish to study this subject. A second book, based on Bhatia's lectures on the mechanics of deformable media written in collaboration with R. Singh, is nearly complete and will be published posthumously.

Among his honors, Dr. Bhatia was elected a Fellow of the Royal Society of Canada in 1962, and a Fellow of the American Physical Society in 1966. The Fifth International Conference on Liquids and Amorphous Metals in 1983 was dedicated to four distinguished scientists, among them Dr. Bhatia, whose work was cited as a significant contribution in this field. Among other honors he was awarded a Senior Visiting Fellowship by the Science Research Council of U.K. in



A.B. Bhatia

1978 and a McCalla Research Professorship by the University of Alberta in 1984.

The University community mourns Dr. Bhatia's death, but takes comfort in knowing that his contributions will live as well as the memory of his kindness and charming modesty. □

## FOLIO

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## Is Public Administration in Chaos? IPAC Conference to Provide Some Insights

The Faculty of Extension is co-sponsoring the fourth annual (Institute of Public Administration of Canada) IPAC Alberta Regional Conference 29 and 30 October at the Westin Hotel.

The conference, entitled "Public Administration in Chaos?", will provide some insights into the whys and wherefores and provide a platform for public administrators to re-evaluate management needs and responsibilities in a time of recession, depression, decreases in revenue and employment cutbacks.

Specific attention will be drawn to three main topics that emerge from the conference's title: the Environment (political, economic, and legal aspects), the Human Element (how those employed in the public sector are adjusting), and the Management

Implications.

Resource personnel include practitioners, academics and other commentators who are familiar with public sector management. Among the keynote speakers are Rodney Schneck, Business; Les Kennedy, Sociology; and Brian Williams, Business.

The conference will be of special interest to senior and middle managers employed by federal, provincial and municipal government departments and agencies, colleges and universities, and the non-profit sector.

The fee for the conference is \$195 for IPAC members and \$225 for non-members. It includes lunches on Monday and Tuesday, coffee breaks and two receptions (cash bar). To register, contact Lorene Collins, IPAC Conference Committee, Faculty of Extension, 228 Corbett Hall. □

## An Adventure in Fitness

The "Margarinedome" might be a more suitable moniker for the University of Alberta's Fitness Pavilion on the evening (7 to 10 p.m.) of 26 October. Fitness devotees, dilettantes, and the simply curious will congregate there for Fitness Adventure, a one-night stand designed to improve awareness of physical fitness and lifestyle components. It will offer information on the various kinds of fitness activities one can indulge in and the benefits reaped from same. The Pavilion will take on a circus-like atmosphere for the evening with three 'rings' of activity complementing various display booths.

Organizers are anticipating in excess of 40 displays and 15 demonstrations. Exhibitors include representatives of the Alberta Senior Citizen Sport and Recreation Association, the Alberta Registered Dietitians Associations and the Edmonton Rowing Club. Demonstrations for the evening include two roller skating presentations and performances by the Ortona Gymnastics club, the Edmonton Highland

Dancers and other local organizations.

Display booths, featuring a wide variety of sport and physical activity information, will circle the Pavilion floor and games of physical skill will be commonplace.

Fitness Adventure is sponsored by the University's Fitness Unit and Faculty of Physical Education and Recreation and by Alberta Recreation and Parks. Admission is free and the evening is open to the public. □

## Academic Relations With Asia

All persons interested in participating in academic contacts with Asian countries are invited to attend an open, general, organizational meeting on Tuesday, 23 October, at 7 p.m. in TLB-I H.M. Tory Building. The purpose of the meeting is to consider the range of academic contacts with Asia and to discuss methods of effective coordination. □

## Third International Symposium on Romanticism: Romantic Poetry: Theory & Practice

### Program

#### Friday, 19 October

- 9:00 a.m. *Edward D. Blodgett* (University of Alberta)  
Opening remarks
- 9:05 a.m. *Elinor Shaffer* (East Anglia)  
"The Concept of the 'Romantic Movement'"
- 9:35 a.m. *Ernst Behler* (University of Washington)  
"The Place of the Lyric in the Romantic Theory of Genre."
- 10:05 a.m. *Hans Eichner* (University of Toronto)  
"Romantic Poetry, Friedrich Schlegel's Theories and Romantic Practice."
- 10:35 a.m. COFFEE
- 10:50 a.m. *Walter Moser* (Université de Montréal)  
"La totalisation poétique de tous les savoirs."
- 11:20 a.m. *Cyrus Hamlin* (Yale University)  
"Mirroring the Mind: Hermeneutical Reflectivity in Romantic Poetry."
- noon LUNCH
- 2:00 p.m. *Patricia Ward* (The Pennsylvania State University)  
"Toward a Poetics of Temporality in the Romantic Lyric."
- 2:30 p.m. *Lilian Furst* (University of Texas)  
"The Romantic Treatment of a Romantic Theme."
- 3:00 p.m. COFFEE
- 3:15 p.m. *Tilottama Rajan* (Queen's University)  
"Hegel, Kierkegaard and the Hermeneutics of the Canon."
- 3:45 p.m. *George Biztray* (University of Toronto)  
"Scandinavian Romantic Poetry."
- 8:00 p.m. Wine and Cheese party at Lister Hall, Map Room, to honor the participants of the Symposium and mark the official opening of the Research Institute of Comparative Literature/Institut de Recherches en Littérature Comparée. Short remarks by *Gordin Kaplan* (Vice-President, Research, University of Alberta), *Henry Kreisel* (University Professor, University of Alberta), *Gerald Gillespie* (Professor of German and Comparative Literature, Stanford University), and *Hans Eichner* (Professor and Chairman, German, University of Toronto).

#### Saturday, 20 October

- 9:00 a.m. *Milan V. Dimić* (University of Alberta)  
"Creations in an Alien Tongue: Romantic Poets and Foreign Languages."
- 9:30 a.m. *José Lambert* (University of Leuven)  
"Romantic Poetry and Translation."
- 10:00 a.m. COFFEE
- 10:15 a.m. Round Table about possible lacunae in the project "Slavic Phenomena, Once More Forgotten?" *Roman Struc* (University of Calgary), Russian and Ukrainian; *Edward Mozejko* (University of Alberta), Polish, Czech, and Bulgarian; *Milan V. Dimić*, Serbian, Croatian and Slovene. "In All This: Where are the Results of Today's Methods in Literary Scholarship?" *Holger Pausch* (University of Alberta).
- noon LUNCH
- 2:00 p.m. *Workshop Discussion*  
"Romantic Prose"  
*Milan V. Dimić* about the conceptual framework of the project, *Gerald Gillespie* about "Romantic Fiction," and *Frederick Garber* (SUNY at Binghamton) about "Romantic Non-Fictional Prose."
- 3:15 p.m. COFFEE
- 3:30 p.m. Romanticism within the ICLA "Comparative History of Literature in European Languages"—informal discussion, everybody welcome.
- 4:15 p.m. *Milan V. Dimić*, Closing Remarks
- Evening Business meeting and supper for the editorial group (by invitation).

All papers should take 20 minutes, with 10 minutes reserved for questions and discussions. Interventions from the floor are welcome in the Round Table and Workshop, too.

The Symposium is open to scholars, graduate students, and the general public. The registration fee is \$35, \$20 for University of Alberta staff and \$15 for accompanying persons and students. The fee entitles each participant to attend and participate in question and discussion periods after papers are delivered, and to free coffee and lunch on both days of the meetings.

For further information and/or pre-registration, please communicate with the Department of Comparative Literature, 432-4926.

## CITL Happy in its Work(shops)

The following workshops will be presented by the Committee for the Improvement of Teaching and Learning (CITL): "Principles of Effective Lectures" will focus on factors which contribute to effective lectures. The instructor is John Paterson, Department of Educational Psychology; the seminar will be held on 19 October from 10:30 a.m. to noon in 2-33 Humanities Centre.

Tuesday, 23 October (Part 1), and Tuesday, 30 October (Part 2), 2 to 4 p.m. in B-45 H.M. Tory Building, "Marking Written Assignments." This workshop is Part B of the "Construction and Processing of Multiple Choice and Written Tests," held on 16 October. The instructor will be J. Gilhooly, Testing and Remediation.

"Technical Services and Radio and

Television" will provide a brief overview of the services available from the Department of Technical Services—Audio Visual Services, Graphics, and Photo Services—on 24 October, 1:30 to 4:30 p.m. in 106 Education South. The session will be repeated on 1 November, starting at 9 a.m. in 165 Education South. The instructors will be W.H. Jopling, Technical Services and Radio and Television; D. Patten, Audio Visual Services; J. Ross, Graphics; D. Spearing, Photo Services; and K. Pappes, Radio and Television.

"Discussion Techniques in the Classroom" is the topic of 25 October's workshop, 1:30 to 4:30 p.m., in B-22 Faculty of Business Building. The instructor will be Ray Rasmussen, Business.

Based on research literature and ex-

perience, discussion will focus on the use of questioning, listening, reinforcing, and grouping techniques to get a large percentage of a class to participate effectively. On 31 October (3 to 4:30 p.m. in 2-33 Humanities Centre), a presentation on "Learning and Creativity" will be given by H.S. Green, Distinguished Visitor to the University of Alberta from the University of Adelaide. Affinities and antipathies between learning and creativity in individuals of outstanding learning and creative abilities will be discussed.

A workshop on "Computerized Literature Searching" will be offered in two parts, 6 November, 7 to 10 p.m., in W2 H.M. Tory Building, and 7 and 8 November, 7 to 10 p.m., in 351 General Services Building.

The workshop is designed to familiarize the researcher with the rationale behind computerized literature searching, its uses, and the method of "doing it yourself." Instruction will be given by Sandra Campbell, Lea Starr and Margo Young of the Library.

"Improving Student Communications," a seminar dealing with strategies to improve communications skills with students on a one-to-one basis, is scheduled for 7 November, 2 to 4 p.m., in 2-33 Humanities Centre.

The workshop "The Mature Student: An (Over) Simplified Label for a Complex Condition" will have at the issues and challenges of working with university students who have a variety of backgrounds and experience. It will be held on 8 November from 2 to 4:30 p.m. in 2-33 Humanities Centre. A discussion panel will be led by J.D. Small, Educational Administration.

The roles and needs of students and professors who deal with special students on campus will be discussed in "Special Needs in the Classroom: Needs and Services." 13 November, 2 to 4 p.m., 2-33 Humanities Centre. The panelists will be M.A. Bibby, M. Nicely, R. Sobsey, and a hearing impaired student.

"What Good Teachers Say About Teaching" will provide a forum whereby a number of recipients of the Rutherford Award for Excellence in Undergraduate Teaching will present their views and ideas on teaching. President Horowitz, Chairman, will be joined by panelists P.A. Field, Nursing (1984); M.J. Dunn, Business

(1984); J. Kuspira, Genetics (1982); F. Vermeulen, Engineering (1983); and S. Willard, Mathematics (1983).

Discussion will take place on 20 November, 2 to 4 p.m., in W2 H.M. Tory Building.

Finally, a PLATO workshop with hands-on experience will be offered on 4 December, 1 to 4 p.m., in 2-49 Medical Sciences Building. It will be led by Michael Szabo of Computing Services. □

## EduLink and You

Have you been searching for a way to keep your children entertained during the onslaught of sub-zero temperatures? Do you wish that you could expand both your educational and leisure time at home? Computing Services has come up with an answer. It's called EduLink, and it enables subscribers in the Edmonton community to link up with the University's PLATO System.

Owners of IBM PC's with 1200-baud modems and graphic adaptors will be able to dial into the system and have access to nearly 7,000 hours of educational programs ("courseware") such as elementary mathematics, language skills, astronomy, accounting, even computer programming. PLATO also has the latest games. The system should please everyone, including families with school age children and adults seeking professional and personal development.

"PLATO wrote the book on user friendliness," says Dave Karpoff of Computing Services. "The courses offer high-resolution graphics and educator-written and evaluated courseware, making learning with PLATO both fun and exciting. EduLink subscribers will have access to the same huge catalogue of lessons as do Homelink subscribers in more than 150 U.S. cities," he said.

A \$40 registration fee covers the cost of the access disk, documentation and removable key labels for modifying the PC keyboard. During EduLink's pilot phase, the service will be available at \$3 per hour (the normal rate is \$5 per hour). Access to PLATO will be available weekday evenings and weekends, beginning 1 November. □

## University of Alberta International Development Register

The President's Advisory Committee on International Development invites faculty and staff with experience/interest in international development to lend their expertise to the Register.

A publicly available data bank, the Register lists about 400 individuals at Alberta universities who have lived and worked for three months or more in countries other than Canada, the United States, and those of Western Europe. Each person listed is asked to update his or her section on an annual basis.

Other faculty and staff with similar interests and concerns can be consulted readily. Referrals to people listed in the Register allow Alberta universities to respond quickly and effectively to enquiries about international development.

You can search Register data by signing on to your MTS account and entering the command \$LIST PCI3:DINT.DOC. To run the program, simply enter \$RUN PCI3:DINT

*For further information or to join the Register, contact:*



International Development Register  
3-20 University Hall  
University of Alberta  
Telephone 432-5660



## people

**Muriel Whitaker** (English) attended the 14th Congress of the International Arthurian Society in Rennes, France, 16 to 23 August, where she presented a paper (with slides) on "The Illustration of Malory's *Morte d'Arthur*." Her participation was supported by a grant from SSHRC under its International Relations program to support international scholarly cooperation.

**Parameswara Krishnan** (Sociology) participated in the recent annual meeting of the American Statistical Association in Philadelphia and contributed two papers, prepared jointly with graduate students *Jean Yeung*, *Shaffiqul Islam* and *Ed Ng*, to the conference. The papers dealt with fertility differentials by religion in India and patterns and model tables of unemployment.

**Norman Page** (English) recently gave invited lectures at the Universities of Edinburgh and Aberdeen.

At the Association of Universities and Colleges of Canada meetings in Saskatoon on 3 and 4 October, **Myer Horowitz** (President) was elected to serve on the Board for a period of two years.

At the University of Guelph on 5 October, **C. Fred Bentley** (Professor Emeritus of Soil Science) accepted an honorary Doctor of Science degree. Dr. Bentley, Chairman of the Governing Board for the International Crops Research Institute for the Semi Arid Tropics at Hyderabad, India, from its founding in 1972 to the present, also addressed Guelph's Convocation.

**L.C. Green** (University Professor) delivered the luncheon address to the annual meeting of the Alberta College of Physicians and Surgeons. His topic was "What is Life: What is Human?"

**George Cormack** (Electrical Engineering) was the recipient of an Arthur J. Schmitt Award to attend National Communications Forum/84 in Chicago, 24 to 26 September. He was one of about 25 faculty members from leading North American universities invited to attend three days of tutorial sessions aimed at bringing together some 3,000 communications specialists from industry and research

laboratories to discuss the latest advances in communications technology. The NCF underwrites the expenses of selected faculty members with the primary objective being to try to speed up the flow of up-to-date practical information from industry to the classroom.

On 5 October in Winnipeg, **Jay Bishop** (Educational Psychology) presented an invited paper entitled "Television Consuming Television and the Canadian Child" at "The Child in Social Context" symposium.

On the occasion of the tricentennial celebration of Pierre Corneille's death, various commemorative volumes are being prepared both in France and in the U.S. In October 1983, Les Editions ALTA, founded and directed by **M.L. Bareau** (Romance Languages), proposed a volume devoted to Cornelian scholarship in Canada. The reception of the project on the part of interested Cornelian scholars has been such that Dr. Bareau is already in receipt of most of the manuscripts intended for the volume, which will be appearing in fall 1985.

## service information

All information to be included in this column must reach the Office of Community Relations by 9 a.m. the Thursday prior to publication.

## Coming Events

### Lectures and Seminars

#### Medicine

18 October, 4:30 p.m. **Annie Altschul**, Professor Emeritus, University of Edinburgh, "Relationship of Theory to Research." 3-101 Clinical Sciences Building.

19 October, 8 a.m. **A. Herbert**, "Treatment of Asthma." 2-115 Clinical Sciences Building.

23 October, 8 a.m. **R. Collins-Nakai** and **P. Ng**, "Pharmacology of Drugs Commonly Used in Post-Operative Cardiac Cases—Available Since the 1960s." 2-115 Clinical Sciences Building.

23 October, noon. **J. Pedersen**, Cross Cancer Institute, "Giant Cell Tumor (Osteoplastoma) of Soft Tissue Origins." Auditorium, Cross Cancer Institute.

#### Civil Engineering

18 October, 5 p.m. **Bruno Thürlimann**, Professor of Structural Design and Construction, Swiss Federal Technical University, Zurich, "Strength of Ma-

sonry Shear Walls." 331 Civil/Electrical Engineering Building.

26 October, 5 p.m. **Professor Thürlimann**, "New Concepts in the Design of Masonry Structures." 331 Civil/Electrical Engineering Building.

#### Canadian Institute of Ukrainian Studies

19 October, 7:30 p.m. **Bohdan Kordan**, "The UCDC Community Needs Study: Preliminary Conclusions." Heritage Lounge, Athabasca Hall.

#### Law

20 October, 9:30 a.m. Saturday Morning at the Law School presents a free public legal education seminar on "Starting a Business." 237 Law Centre.

#### Alberta Heritage Foundation for Medical Research

22 October, 11 a.m. **William W. Kay**, Department of Biochemistry and Microbiology, University of Victoria, "Tricarboxylate Transport in *Salmonella Typhimurium*." 2-27 Medical Sciences Building.

23 October, 4 p.m. **D.J. Allen**, School of Allied Health Sciences, Medical College of Ohio, Toledo, "Structural Alterations in Heart Grafts and Valve Bioprostheses." 6-28 Medical Sciences Building.

24 October, 4 p.m. **O.-J. Grüsser**, Professor of Physiology, Freie Universität Berlin, "Responses of Single Neurones in the Visual Cortex of Monkey." 762 Medical Sciences Building. Hosted by the Department of Physiology.

25 October, 3 p.m. **O.-J. Grüsser**, Visual Psychophysics and Retinal Physiology: Comparative Processes?" P-210 Biological Sciences Building. Hosted by the Department of Physiology.

#### 1984 Gairdner Lecturer

22 October, 4 p.m. **Martin Rodbell**, National Institutes of Health, Bethesda, Maryland, "The Multiple Roles of GTP-Regulatory Proteins in Membrane Transduction." 2-27 Medical Sciences Building.

#### Slavic and East European Studies

22 October, 3 p.m. **Dr. Neuhauser**, "The Avant-garde in Russian Literature." Senate Chamber, Arts Building.

#### Music

23 October, 2 p.m. **Patrick McCreless**, University of Texas, "Schenker and the Norms." 2-34 Fine Arts Building.

#### Limnology and Fisheries Discussion Group

25 October, noon. **Hal Hamilton**, Alberta Environment, Calgary, "Factors Affecting Aquatic Plant Production in Southern Alberta Rivers." G-217 Biological Sciences Building.

#### Salter Reading Series

25 October, 12:30 p.m. Readings with **Marie Moser** (fiction), **Sharon Carlson-Berge** (poetry) and **Silvano Zamaro** (poetry). 2-42 Humanities Centre.

#### Arts

25 October, 4 p.m. **R. Burch**, "Philosophy and Literature: What is the Difference?" 5-20 Humanities Centre.

#### Slavic and East European Studies and CEESA

25 October, 7:30 p.m. **David Scheffel**, "Survey of Russian Old Believers in Alberta." Heritage Lounge, Athabasca Hall.

## Art and Design

26 October, 2 p.m. **Tetsuya Noda**, Japanese print artist, will lecture on his work. 2-20 Fine Arts Building.

## Music

### Department of Music

All events take place in Convocation Hall.

21 October, 8 p.m. The University of Alberta Symphonic Wind Ensemble—**Dennis Prime**, director. Adults \$4, students/senior citizens \$2.

26 October, 12:15 p.m. Visiting Artist—**James Parker**, piano. Adults \$4, students/senior citizens \$2.

26 October, 8 p.m. Faculty Recital—Two-piano recital with **Alexandra Munn** and **Ernesto Lejano**.

28 October, 8 p.m. St. Cecilia Orchestra—**Malcolm Forsyth**, conductor. Adults \$4, students/senior citizens \$2.

## Exhibitions

### Art and Design

Until 9 November. Works by **Tetsuya Noda**, Japanese print artist, on display. Second floor display case and 2-40E Fine Arts Building. For access and information, call 432-3011.

### Ring House Gallery

Until 12 November. "The Widening Sphere: Women in Canada, 1870-1940." An exhibition of photographs, posters, official records and private correspondence from 1870-1940 which chronicles the diverse experience of Canadian women of all classes and ethnic backgrounds.

### Edmonton Weavers Guild

27 October, 11 a.m. to 4 p.m. The Guild presents its annual exhibition, demonstration and sale of weaving and spinning. Admission: \$1. Lister Hall.

## Films

24 October, 7:30 p.m. "Berlin Chamissoplatz" (1980). 17 Arts Building.

## Radio and Television

### Radio

Programs broadcast on CKUA radio 580 AM and 94.9 FM.

20 October, 7 p.m. University Concert Hall—interview and performance by **Cathy Vickers**, pianist.

14 October, 7:30 p.m. International Development—"The Role of Governments."

### Television

Programs broadcast on ETV Q-9 and Shaw-13.

24 October, 8 p.m. "Managing the Information Explosion"—Library Science.

## Sports

### Soccer

19 October, 2 p.m. Golden Bears vs. Saskatchewan. Victoria Soccer Field.

### Swimming

19 October, 5 p.m. Golden Bear and Panda—Green vs. Gold Time Trials. West Pool.

## Hockey

19 and 20 October, 7:30 p.m. Golden Bears vs. University of British Columbia. Varsity Arena.  
30 October, 7:30 p.m. Golden Bears vs. Japanese All-Stars. Varsity Arena.

## Football

20 October, 2 p.m. Golden Bears vs. Calgary. Varsity Stadium.

## Basketball

20 October, 7 p.m. Golden Bears vs. Alumni. Varsity Gym.

## Matters of Faith

### Catholic Campus Ministry

St. Joseph's College Mass Time, September to April. Monday, Wednesday, Friday - 7:30 a.m., 12:10 and 4:30 p.m.; Tuesday, Thursday - 7:30 a.m., 12:30 and 4:30 p.m.; Saturday, 4:30 p.m.; Sunday - 9:30 and 11 a.m., 4 and 8 p.m.  
24 October, 7:30 p.m. Understanding Catholicism, "Sacraments of Initiation." Speaker: Brother Donatus Vervoort, ndl. Telephone Marcia, 433-2275, for more information.

### Anglican - Presbyterian - United Chaplaincy

Tuesday Noon Study Group: Ventures in Faith; Thursday Noon Eucharist. Both events in Meditation Room, 158A SUB.

### Lutheran Campus Ministry

Sunday Worship with Eucharist - 10:30 a.m., Meditation Room, 158A SUB.  
Thursday Evening Worship - 7:30 p.m., Lutheran Student Centre, 11122 86 Avenue.  
Noon Hour Bible Study - Wednesdays at noon, Meditation Room, 158A SUB.

## Theatre

### SUB Theatre

19 October, 8 p.m. Yamaha Pianos Coyne presents "Claude Dupras." For more information, call Mrs. Coyne at 451-3265.

22 October, 8 p.m. The Friends of the University of Alberta present the 1984 Henry Marshall Tory Lecture—Lord Asa Briggs, Provost of Worcester College, Oxford, "The Age of Broadcasting."

28 October, 8 p.m. "Kim Mitchell." Tickets at all BASS outlets.

### Studio Theatre

18 to 27 October. "Tartuffe." For further information, call 432-2495.

## Non-Credit Courses

### Computing Services

#### MTS (Michigan Terminal System)

MTS and Editor Fundamentals (Prerequisite)  
AJ510 Operation and Visual Editing (Prerequisite)  
MTS Overview (Prerequisite)

#### TEXTFORM

Introduction to Text Formatting (Prerequisite)

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## SPIRES

Introduction to SPIRES (Prerequisite)  
Advanced SPIRES

## Graphics

Integrated Graphics Overview (IG)

## Statistics

Data Preparation for Statistical Packages (Prerequisite)  
Introduction to SPSSx  
SPSSx Conversion  
Introduction to BMDP  
Introduction to MIDAS  
Introduction to MINITAB  
Introduction to TROLL

## Microcomputers

Introduction to the IBM PC  
Introduction to the Personal Editor  
The above courses are offered regularly through the day with limited evening selections. Registration will be taken over the phone for all courses except evening courses. These may be made in person at 352 General Services Building, or by mail. Payment must accompany registration for all evening courses. Please make cheques payable to the University of Alberta.

## Waiting List Courses

The following courses are only offered when a sufficient number of people express an interest.  
Advanced Text Formatting  
Courier Operation and Visual Editing  
Introduction to Plotting  
Introduction to Programming  
Introduction to Typesetting  
Introduction to APL  
Introduction to the Array Processor  
Introduction to APAL  
Introduction to Clustan  
Introduction to TSP  
Introduction to Osiris  
For more information on any of the courses listed above, telephone the Training Assistant at 432-2511, between 8:30 and noon, weekdays.

## Faculty of Extension

### Business and Professional

For further information on the courses listed below, telephone 432-5066.

Quality Circles: Productivity Improvement  
Through Employee Involvement  
Effective Communication and Work Direction  
Motivating Subordinates  
Contract Administration: Grievance Resolution and Arbitration  
Labour Negotiations: Process and Strategies

### Real Estate Programs

The Real Estate Composite Brochure can be obtained by calling 432-5060. Some of the course offerings are as follows:

Practical Apartment Caretaking  
Selling Your Own Home  
Property Management for Apartment Caretakers  
Real Estate in Distress  
Home Renovation and Refurbishing

### Certificate Programmes

For further information on the programmes listed below, telephone 432-5545 or 432-3027 between 8:30 a.m. and 4:30 p.m., Monday to Friday.  
Management Development  
Personnel Administration  
Computers and Business Data Processing

Industrial Security Management  
Purchasing Management Development

## Citation Programme

For further information on the following program, telephone 432-5545 or 432-3027.

Executive Development Programme for Women

## Land Use Planning

For further information on the courses listed below, telephone 432-2912.  
The Public Participation Process  
Planning Law

## Science and Technology

For further information on the courses listed below, telephone 432-2912.  
Understanding the Potential of Computer-Assisted Design  
The Public Participation Process  
The Chemistry of Boiler Systems  
Maintenance Management

## Applied Behavioral Sciences Division

For further information on the courses listed below, telephone 432-5069.

Assertion and Interpersonal Skills Training for Couples  
Stress Management  
Teaching Parenting to Single Parents  
Assertion and Interpersonal Skills Training  
Adventures in Attitudes

## Visual Arts

For further information on the courses listed below, telephone 432-3034 or 432-3116.  
Travel and Art in the United States  
Drawing and Painting (Life and Portrait)

## Devonian Botanic Garden

For a detailed brochure and registration form, telephone 987-3054.

Botanical Illustration  
Growing Hybrid Tea Roses (II)  
Hydroponics for Beginners (II)  
All This Latin is Greek to Me (I)  
Cattails and Rushes

## Notices

### Capital Equipment Purchases

A program has been developed to provide the carry-over of unspent capital equipment funds into the next budget year. This carry-over will be limited to the lesser of 15 percent of the departmental capital equipment budget of \$50,000. Where the balance of unexpended funds is sufficient, commitments incurred by purchase orders placed before 31 December will be allocated a carry-over equivalent to the amount of the commitment.

Where the balance of your unexpended and/or uncommitted capital equipment budget is currently in excess of the foregoing limits, you are urged to place purchase orders for your further needs now to help ensure that delivery is effected before 31 March 1985. The program will not provide a carry-over in relation to commitments by purchase orders placed later than 31 December other than in instances where a well documented justification of circumstances merits exception. Application for exemption should be submitted to the attention of D. Grover, Office of the Comptroller. Final approval

on capital equipment carry-overs remains with the Associate Vice-president (Facilities and Services), J.B. McQuitty.

Unexpended funds in excess of the limiting factors will lapse into a Capital Equipment Contingency Account.

## Projection Bulbs Available

Audio-Visual Services (L2-6 Humanities Centre), an adjunct of Technical Services, has available a wide selection of current bulbs for audio-visual equipment. There is also a selection of bulbs with older reference letters as follows: BCK, BDK, CAR, CBJ, CDJ, CDK, CCM, CHG, CLS, CLX, CTT, CXR, CZA, CZX, DAK, DAH, DCF, DEJ, DFV, DHT, DYY, DYP, EDK, EKS, EKG, ELS, ENG, Beckman 8333, Marc 300/16.

## Scholarships, Fellowships and Awards

### IODE War Memorial Scholarships For Graduate Study

Donor: IODE. Where tenable: Canada or overseas within Commonwealth. Level: Post-graduate. Field: Not stated. Value: \$8,500 for study in Canada; \$11,000 for study overseas within the Commonwealth. Renewals at \$4,000. Number: 7 to 9. Duration: One academic year. Conditions: Applicants must be Canadian citizens; hold a first degree from a Canadian institution; have begun master's studies or British equivalent; must not be more than 35 years of age on 31 December of the year in which they receive the scholarship; renewal for a second year may be considered. Winners expected to work in Canada upon completion of their studies. Closing date: 1 December 1984. Further information and application forms should be requested from: War Memorial Convener of province obtained bachelor's degree from: Alberta: Mrs. Alice Elzinga, Provincial Education Secretary, 11235 106 Street, Edmonton, Alberta T5G 2P5.

## Positions Vacant

The University of Alberta is an equal opportunity employer but, in accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

### Department of Genetics, Sessional Appointment, Summer 1985

To teach Biology 297 (Heredity), an introductory course covering the cellular and molecular basis of the transmission of hereditary characteristics; Mendelian inheritance and its cytological basis, microbial genetics; linkage and genetic mapping; DNA as genetic material; gene action; the genetic code. This course is scheduled for the day division, 2 July to 9 August 1985.

Applications are invited at the rank of Lecturer (\$2,567), or Assistant Professor (\$3,107), depending on qualifications and experience. The salaries shown are for the six-week period. Travel and living away from home allowances are available.

Applicants should have a PhD and teaching experience. Applications, including curriculum vitae

with the names of three referees, should be sent to David Nash, Chairman, Department of Genetics, University of Alberta, Edmonton, Alberta T6G 2E9. Closing date: 1 February or when the position is filled.

## Non-Academic Positions

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 12 October 1984. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Clerk Typist III (Part-Time) (\$647-\$781) Agriculture and Forestry  
Clerk Typist III (\$1,294-\$1,561) Housing and Food Services  
Clerk Steno III (Trust) (\$1,294-\$1,561) Biochemistry  
Secretary (Trust) (\$1,442-\$1,766) Neurosurgery  
Secretary (Trust) (\$1,442-\$1,766) Health Services Administration and Community Medicine  
Secretary (\$1,442-\$1,766) Art and Design  
Legal Stenographer (\$1,442-\$1,766) Law  
Technician I (Trust) (\$1,497-\$1,842) Zoology  
Electronics Technician I (Trust) (\$1,561-\$1,920) Physics  
Technician II/III (\$1,697-\$2,378) Home Economics  
Administrative Assistant (\$1,842-\$2,280) Dean of Dentistry  
Administrative Assistant (Part-Time) (\$1,105-\$1,368) Forest Science  
Laboratory Technologist I (Term) (\$1,842-\$2,280) Provincial Laboratory  
Animal Technician III (\$1,920-\$2,378) MSB Animal Unit  
Biology Technologist III (\$2,182-\$2,710) Genetics  
Nurse Practitioner (Trust) (\$2,486-\$3,009) Paediatrics

For vacant library positions, please contact the Library Personnel Office, Basement, Cameron Library, telephone 432-3339.

## Advertisements

Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

### Accommodations available

Shared house - Available 1 November, four blocks from campus. Rent \$225/month. 439-4871.  
For rent - House, five bedrooms, two baths. Walk to University. 76 Ave. and 112 St. Garage, laundry. \$800/month. 432-0806.  
Sale - Extraordinary, secluded island cottage. 439-2279, evenings.  
For rent - House, University area. Four bedrooms, all major appliances. \$450/month. References required. Phone Mrs. Brock, 435-2831.  
Rent - Three-bedroom house, Belgravia. Furnished, basement suite. Available January 1985. 434-2130.

Rent - Furnished townhouse available January, August inclusive. Duggan area, direct bus to University. Rent negotiable. 432-5380, 437-1667.

Rent - Will share spacious, two-bedroom, Old Strathcona apartment with female grad./postdoc. \$280. 439-0607.

Rent - Luxury, three-bedroom, unfurnished, 1,600 sq. ft. suite. Two baths, 115 St. Jasper. 488-8768.

To share - Available immediately. Three-bedroom house, washer, dryer, ten-minute walk from campus. \$250/month, utilities included. Phone 433-0959 after 6 p.m.

For sale - In South Garneau, Immaculate, updated, two-bedroom home with complete basement suite. To view, phone 432-0445.

Sale - Claridge House condo. Best buy. Luxury. Five appliances. Pool, etc. Good parking. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Drastically reduced. \$149,000. Saskatchewan Drive, 1,480 sq. ft. home plus three lots. For details, call Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Westmount area. Charming home. Large rooms. Hardwood floors. Immaculate. Quiet crescent location. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Condos. \$39,500 to \$79,900. One or two bedrooms, appliances included. University area. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Pleasantview-home-office-studio. Lots of room, lots of land. 12% financing. Chris Tenove, 433-5664, 436-5250. Spencer's.

Rent - Luxury condo - Indian Palms Country Club (Indio, California. Near Palm Springs) on golf course. Two bedrooms/six person. 30 November-14 December, \$400/week (\$600 value). 432-2691 days, 435-5596 evenings.

### Accommodations wanted

Wanted to rent - Visiting professor and wife from University of Western Australia require furnished apartment, January through May, walking distance to campus. Call H.T. Lewis, Anthropology, 432-5469, or home, 433-4369.

### Automobiles and others

'72 Chev Suburban, 400 Auto, pb, ps, air, radials, new paint, tint, tilt, mint condition. Must see. 432-2582 or 433-5409.

## Goods for sale

Used IBM selectric and new electronic typewriters. Mark 9, HUB Mall. Open evenings, Saturdays. 432-7936.

Gold velvet sectional, \$600. Brown rocker, \$75. Red/black drapes, 150"x84", \$50. 432-6621, 462-3494.

Code-a-phone model 1075, phone answering device. Complete w tapes. 432-2582.

Craft sale - Pottery, knitting, stained glass, jewelry, weaving, Christmas decorations, fiberware, dolls, copper enameling, sculpture, rice paper batiks. 5415 114B St. Saturday, 27 October. 9:30 a.m.-5 p.m.

Olympus OM-1 camera, 28mm/2.8 lens and 70-150/3.8 zoom. Mint condition, 432-2582 or 433-4509 evenings.

Books bought and sold - The Edmonton Book Store in HUB Mall will pay cash for book collections and individual, rare items. Appraisals available. Open seven days a week. 433-1781.

Oriental carpets: Quality older and newer hand-knotted Turkoman and Baluch rugs, prayer carpets, kilims and saddlebags. 439-6408.

Must sell antiques - Refinished Canadiana: Oak dresser, \$75. Maple dresser, \$175. Pioneer, pine hutch, \$400. Eight piece, walnut, dining suite (burled walnut detail), circa 1925, \$2,200, o.b.o. 433-2339 after 5 p.m.

## Services

Donnic Word Processing. Specializing in theses, manuscripts, etc. 8315A 105 St. 432-1419.

Singing teacher, Eileen Turner, 439-4661.

Voice lessons: Alexander Tumanov, 481-3710.

JL Citation Services. Computerized literature searching by experienced scientists. Full searches, automatic updating. Search strategies carefully formulated. Maximum 50 descriptors per topic. 487-8652.

Photocopying 8¢, word processing \$24/hour, speed typing course, word processing course, cerlox binding, typewriter repair. Mark 9, HUB Mall. Open evenings, Saturdays. 432-7936.

Consider Black Cat Ranch for part of your Christmas holidays. Excellent "cross-country" skiing, good home cooking and relaxed atmosphere. Black Cat Ranch, Box 976, Hinton, Alberta T0E 1B0. Phone 866-2107.

Piano and theory teacher, Lillian Buckler, Blue Quill area. 435-8134.

Professional Typist - Word Processing. Specializing in theses and dissertations. Gwen, 467-9064.

Wanted: Daytime nanny in our home for newborn baby, hours flexible, eight hour days, five day week, pay minimum \$150/week. Contact Ellie, 432-3463 or 436-9009.

Creative dance openings for October. Ages 3-8. Dance for the fun of it! Kim Hammond, 466-0193.

Celeste's Barber Shop & Ladies Hairstyling. Opening special (ends 31 October), 9918 89 Ave. 431-0758. \$1 off all cuts, shampoo and cut \$11. Long hair, \$9. Short hair, \$8.

Remember a Prisoner of Conscience with Amnesty International. Meeting Tuesday, 23 October, Knox United Church, 8307 109 St. 7:30 p.m. 462-1871.

## Pre-Season Ski Conditioning

**Monday, Wednesday & Friday — 1210. Code SK9L.**

Learn to ski this winter but first get your ankles and knees in condition. This pre ski conditioning course is for Cross Country or Downhill and will leave you ready to start skiing with little danger of injury. It involves stretching, muscle toning and aerobic fitness training. Starts Oct. 22nd.

Twenty Lessons—Fee: \$48.00

**Call Staff Fitness and Lifestyle Program 432-5607.**

## IML ART GALLERY

invites you to

"MEET THE ARTIST AT WORK"

Saturday, 12:00 - 4:00 p.m.

Oct. 22 - VI CARDINAL - Hand-painted china

Nov. 10 - JOHN LYON - Water colors

December Attractions:

8 - FRANK WINGROVE-Stained glass art

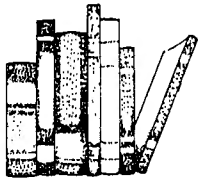
15 - ANNE WOWRIES-Hand-painted silk

8219-109 Street Free Coffee 433-6834

## COLD SORES!

Do you suffer from frequent recurring cold sores? Would you like to participate in a CONFIDENTIAL, controlled study by a University of Alberta research team investigating a promising anti-viral medication?

**For more information, call Sheri or Joanne at 432-2691.**



## Charing Cross Books

**Prairie Fire:**  
The 1885 North-West  
Rebellion  
(Book Publishers \$19.95)

Edmonton writer Bob Beal and  
U of A historian Rod Macleod  
will autograph copies

7 p.m., Thursday, October 18

11427 Jasper Avenue  
488-4140

Open until 8 p.m. weekdays and 6 p.m. Saturday



**DIG YOURSELF OUT !**  
**NOV. 24<sup>th</sup> AUCTION**

IF YOU HAVE SOME SURPLUS  
EQUIPMENT TO SELL, PLEASE  
CONTACT JODY at 432-5393,  
TUES.- THURS.

WATCH FOLIO FOR DETAILS !!

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